

PATENT ABSTRACTS OF JAPAN

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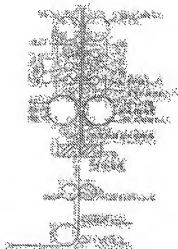
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(54) PRODUCTION OF SCREEN

(57)Abstract:

PURPOSE: To continuously and effectively produce screens and to reduce the cost of production by using an ultraviolet hardened resin as the material of the lenticular lens of the screen and radiating ultraviolet rays so that the lenticular lenses are formed on both surfaces of a base film.

CONSTITUTION: The base film 11 is transported to a resin tank 3 through a guide roll 1 and tension rolls 2a and 2b and made to pass in the ultraviolet hardened resin at a constant speed so that the resin 10 is applied on both surfaces of the film 11. Next, the base film 11 is made to pass through a pair of rolls for forming lens 5a and 5b, where the lens surfaces 4a, 4b of resin molds 5a and 5b are transferred on the resin 10, so that the lenticular lenses 12a and 12b are formed on both surfaces of the film 11. After forming them, it is transported to an ultraviolet radiating zone 8 and the resin 10 is hardened by the radiation of the ultraviolet rays 14. Thus, the continuous production of the screen is possible, thereby reducing the cost.



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